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Scientific - Chemistry Nov 55 CTS/DEX

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Calculation of the Distribution of Steam Parameters in a Turbine Stage with an Allowance for Radial Acceleration, by [illegible] Ye. Levina, P. A. Rossmenko, 14 pp. RUSSIAN, por, Energomashinostroyeniye, No 7, 1964, pp 41-45. 9698238 FTD-TT-65-1029

M. Ye. Levina

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Doc (5

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Some Data on the Structure of Mixed Ferrocyanides, by I. V. Tananayev, M. I. Levina, 16 pp.

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Equilibrium Between Liquid and Gas at High Pressures and Temperatures, by V. V. Plat'yev and M. I. Lavina, 21 pp, Unclassified,

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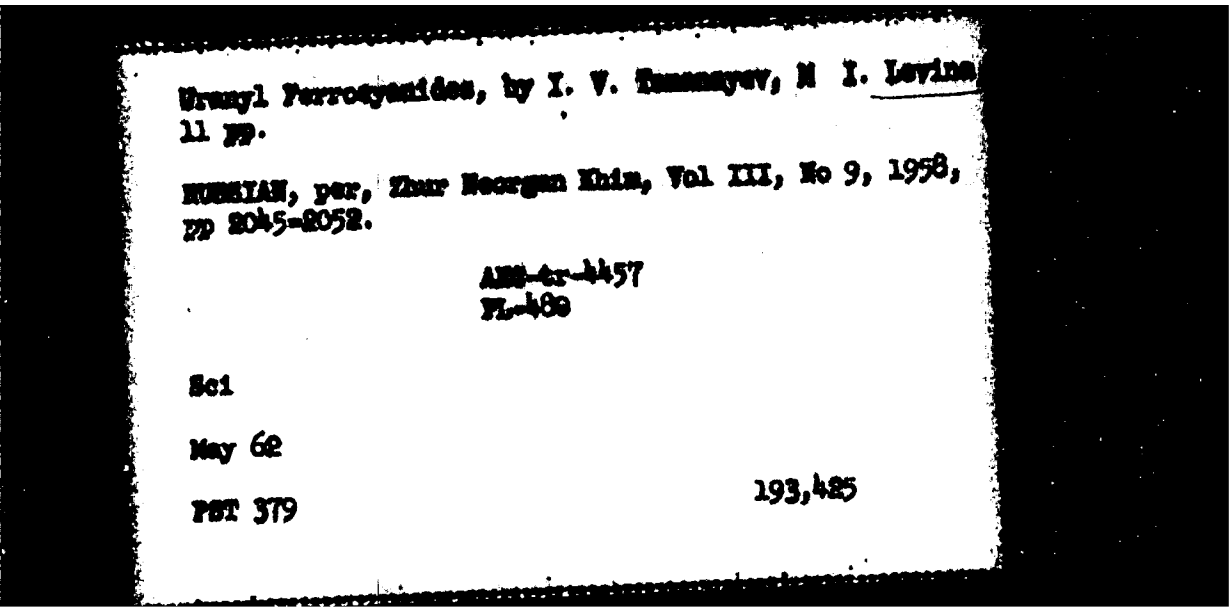

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11 pp.

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Levina, M. I.
SOLUBILITY OF GASES IN DIESEL FUEL AND IN GAS OIL FROM CATALYTIC CRACKING, INVESTIGATED UNDER HIGH PRESSURES. [1960] 6p.
3 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10364

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv [i Masel] (USSR) 1960 [v. 5] no. 4, p. 5-7.

A determination of solubility for H_2, N_2, CO, CH_4, and CO_2 gases in diesel fuel and in catalytic-cracking gas oil under 3- to 40-atm pressure was made by using the method of V. V. Plat'yev and M. I. Levina (Khim. Tverdogo Topliva §: 866, 1937; available in translation from LC or SLA as 59-14126). The solubility coefficient under pressure up to 15 kg/sq cm shows no significant deviation from Henry's law even for CO_2 and CH_4.

(Chemistry--Physical, TT, v. 5, no. 8)

61-10364

1. Gases--Solubility
2. Fuel oil--Solvent properties
I. Levina, M. I.

Office of Technical Services

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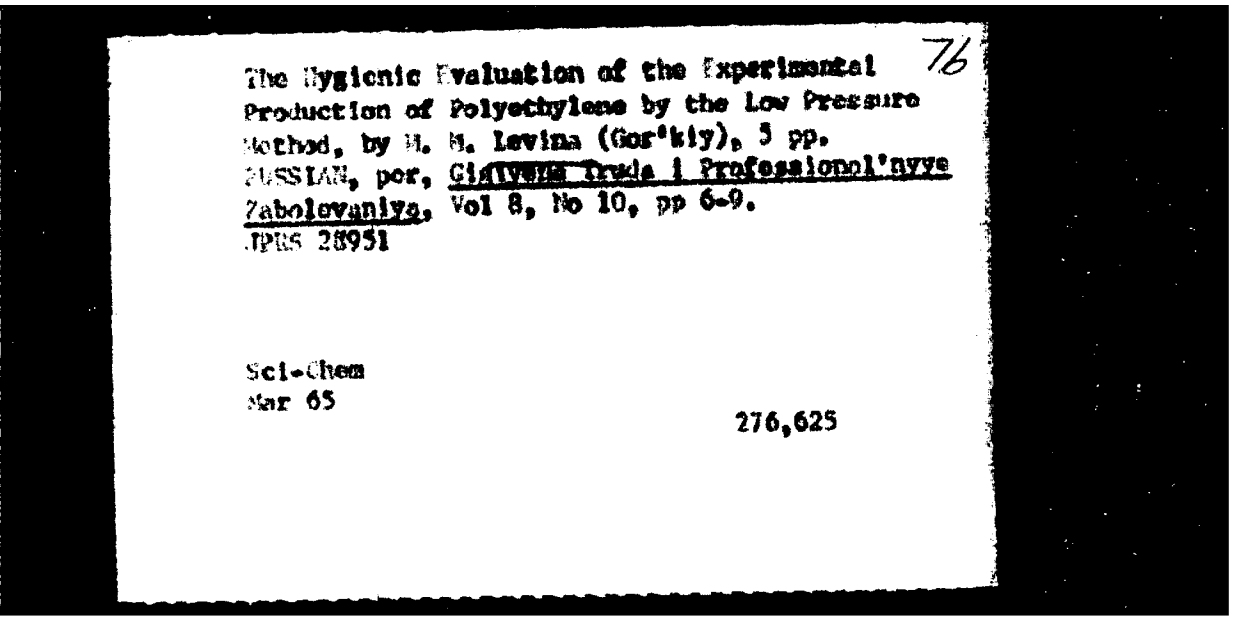

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A Type of Adaptive Variability in the Amniotic Epithelium of Certain Mammals, by M. Ya. Levina, 3 pp.

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The Structural Characteristics of the Middle Sheath of the Cow's Aorta at Different Ages, by M. Ya. Levina, 4 pp.

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Investigation of Some Casing Alloys for High Precision Parts, by M. L. Khenkin, N. K. Levina, et al, 17 pp. 45
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JPRS 25391

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CIA/FSD XX-1656
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Sel
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Effects of Developer Concentration on High-Speed Development, by P. I. Lavina, V. A. Veydenbakh, 8 pp.

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CIA/FDD XX-1163
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Effect of the Developer Concentration on the Rapid Development Process II. Investigation of the Hydroquinone Developer, by V. A. Veydenbakh, P. I. Levine, 9 pp.

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Effect of Concentration of Developer on the Process of Rapid Development, by P. I. Levina, V. A. Veidenbakh, 11 pp.

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Sci - Phys
Nov 60
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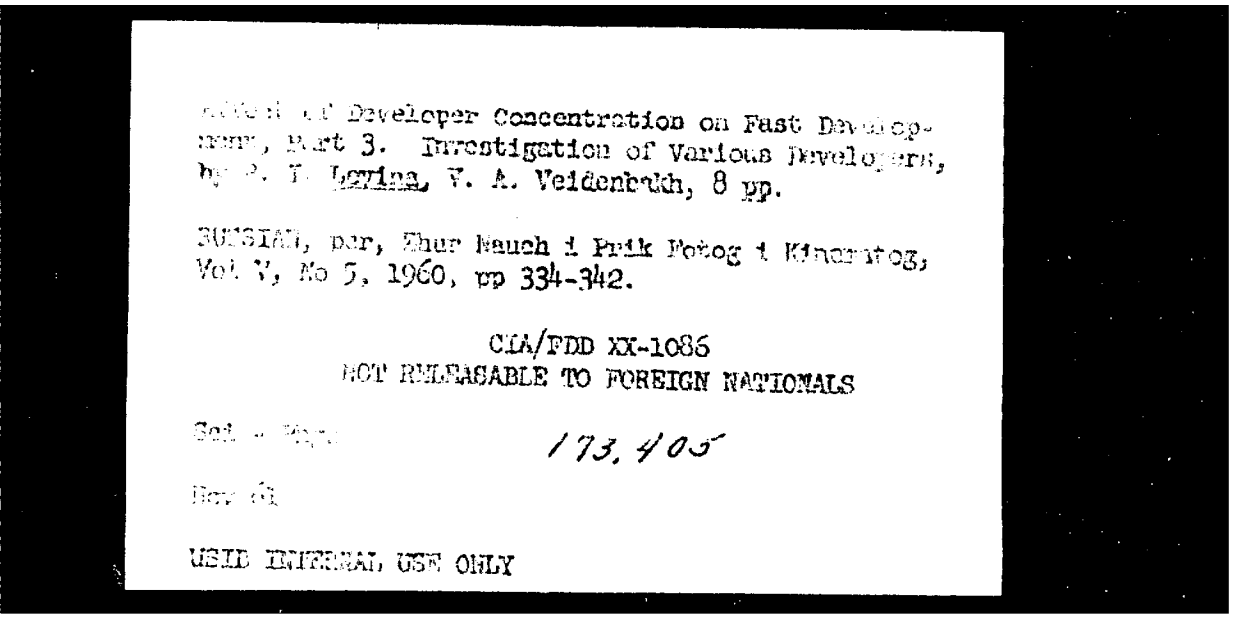

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Sol - Phys

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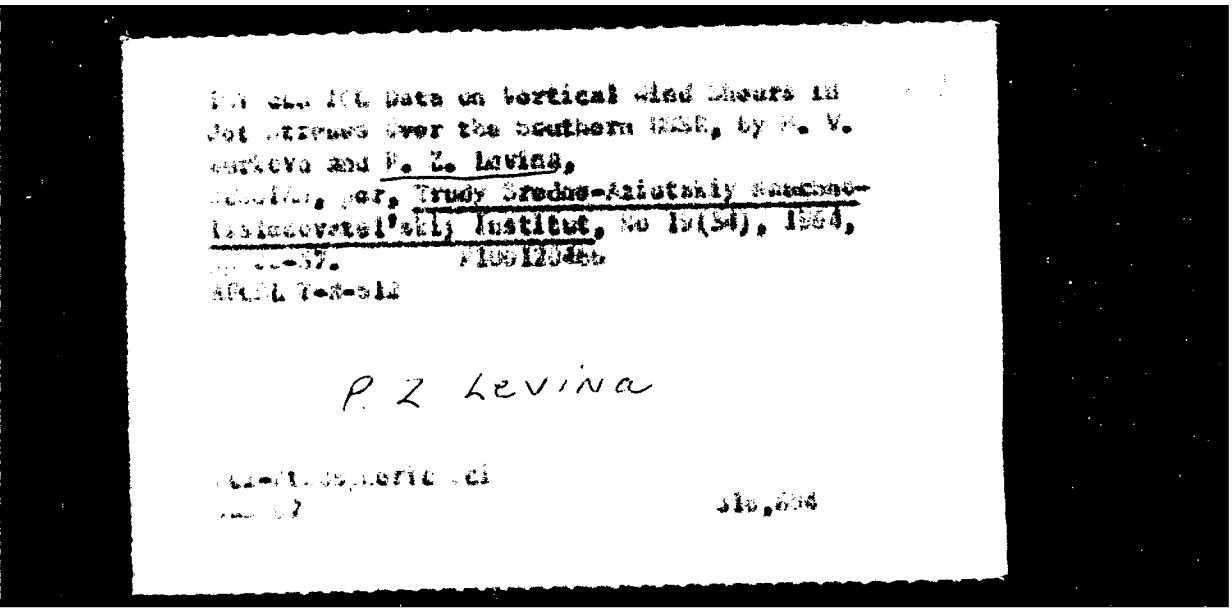

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jet streams over the southern USSR, by M. V.
[illegible]eva and P. Z. Levina,
[illegible], per, Trudy Srednе-Aziatskiy Nauchno-
Issledovatel'skiy Institut, No 17(32), 1964,
[illegible]-57. AT6012466.
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[illegible]
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FDD X-4679

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Study of Alkali-Free and Low-Alkali Glass Composition and of the Technology of Their Manufacture and Working, by I. D. Tykachinskiy, O. K. Botvinkin, L. I. Buneyeva, R. S. Levina, M. V. Okhotin, Yu. V. Rogozhin, Z. M. Syritskaya, 6 pp.

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Mar 57

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

Levina, R. Ya. and Tsarikov, F. F.
CONTACT CONVERSION OF VINYLCYCLOHEXANE, ALLYLCYCLOHEXANE AND ALLYLBENZOL. [1962] [7]p. (Translation of Russian Refs. omitted).
Available on loan from SLA 63-10421

[Translation of Zhurnal Obshchei Khimii] (USSR) 1934, v. 4, [illegible], p. 1249-1257.
Available from Photoduplication Service, SLA as [illegible], $[illegible]; [illegible] 1962, DSIR NLL ML 1029 [1968] 15p.

DESCRIPTORS: *Cyclohexanes, Vinyl radicals, Allyl radicals, *Benzenes, Catalysis, Molecular isomerism.

The ability of unsaturated cyclic six-member hydrocarbons with a double bond in the side chain (vinylcyclohexane and allylcyclohexane) to enter into a reaction of irreversible catalysis is demonstrated. A catalytic isomerization of allylbenzol into propenyl (Chemistry of Organic, IT, v. 9, no. 6) (over)

63-10421

I. Levina, R. Ya.
II. Tsarikov, F. F.

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Levina, R. Ya. and Zelinskii, N. D.
CONTACT ISOMERIZATION OF OLEFINS. [1961]
7p. 15 refs.
Order from OTS or SLA $1.10 61-18117

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7, p. 1587-1593.

DESCRIPTORS: Ethylenes, Isomeric transitions.

(Unannounced)

61-18117

I. Levina, R. Ya.
II. Zelinskii, N. D.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

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Aromatic Hydrocarbons. XXII. [illegible] Dimethylalkyl-[illegible] benzenes. Fumaric Acid in Diene Synthesis, by V. R. Skvarchenko, R. Ya. Levina, 3 pp.

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Synthesis of Hydrocarbons. LXXVII. Sterioisomeric 1,3,5-Trialkyl-(0, 1, 3)[1,3]-Bicyclohexanes, by R. Ya. Levina, K. S. Shanazarov, 4 pp.

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Interaction of Cyclopropane Hydrocarbons With Mercuric Salts. X. Action of Mercuric Acetate on (0,1,3)-Bicyclohexanes, by R. Ya. Levina, V. N. Kostin, Kim Dyai Gir, T. K. Ustynyuk, 4 pp

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The Synthesis of Hydrocarbons, 59. (6,1,3)-Bicyclohexanes with Two Quaternary Carbon Atoms, by R. Ya. Levina, Kim Diui Gir, E. N. Smirnova, N. D. Orlova, and E. G. Treshchova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7, 1957, pp 1779-1783.

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Cyclopropanes and Cyclobutanes. VI. p-Nitrophenyl- and p-Aminophenylcyclopropanes, by R. Ya. Levina, Yu. S. Shabarov, V. K. Potapov, 4 pp.

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δ -Lactones. XVIII. Interaction of 5,6-Dialkyl-α-pyrones With Acetylenedicarboxylic Ester. New Synthesis of 3,4-Dialkylphthalic Acids, by N. P. Shusherina, R. Ya. Levina, V. M. Shostakovskiy, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10, 1959, pp 3237, 3238.

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δ-Lactones. XVI. Synthesis of Aryl Substituted δ-Enol Lactones, by N. P. Shusherina, I. S. Trubnikov, R. Ya. Levina, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 4, 1959, pp 1062, 1063.

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Cyclopropanes and Cyclobutanes. XXVIII. p-Acetylphenylcyclopropane in the Synthesis of Para-Substituted [illegible]Cyclopropylbenzenes, by R. Ya. Levina, P. A. Gembitskiy, 6 pp.

RUSSIAN, per, Zhur Obsch Khim, Vol XXXIII, No 2, 1963, pp365-370.

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Cyclopropanes and Cyclobutanes. XXIX. Bromination of Arylcyclopropanes, by R. Ya. Levina, P. A. Gembitskiy, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 2, 1963 pp 371-376.

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Cyclopropanes and Cyclobutanes. XXVII. Cyclopropylalkylbenzenes, by R. Ya. Levina, P. A. Gembitskiy, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 2, 1963, pp 359-364.

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δ-Lactones. X. 9,10-Dibromooctahydrocoumarin and Its Reactions, by N. P. Shusherina, N. Yu. Lurye, R. Ya. Levina, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 8, 1957, pp 2250-2254.

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δ-Lactones. XIV. Synthesis of 6-Methyl-5-Alkyl-δ-Pyrones, by N. P. Shusherina, R. Ya. Levina, Z. S. Sidenko, M. Yu. Lur'e, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 403-406.

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Reaction of Cyclopropane Hydrocarbons With Mercuric Salts. VII. Thermal Decomposition of Symmetrization Products of γ-Mercurated Alcohols, by R. Ya. Levina, V. N. Kostin, V. A. Tartakovskiy, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XX XXVII, No 8, 1957, pp 2049-2051.

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β-Lactones. XIII. Synthesis of 6-Methyl-5-Alkyl-3,4-Dihydro-α-Pyrones, by N. P. Shusherina, R. Ya. Levina, Z. S. Sidenko, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 398-402.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

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Synthesis of Hydrocarbons, 60. Ethylbenzene Homologs from Adducts of Alkadienes with Methylethylmaleic Anhydride, by V. R. Skvarchenko, R. Ya. Levina, and M. G. Kuzmin, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7, 1957, pp 1971-1786.

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Sci - Chem

Oct 1958

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

Levina, R. Ya. and Egorova, S. A.
SYNTHESIS OF BRANCHED-CHAIN OLEFINS AND PARAFFINS. III. INTERACTION OF 2,4-DIMETHYL-2-PENTENYL BROMIDE WITH ALKYLMAGNESIUM HALIDES. [1961] 4p. 9 refs.
Order from OTS or SLA $1.10 61-20121

Trans of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 821-824.

DESCRIPTORS: *Hydrocarbons, *Ethylenes, Octenes, Octanes, Heptanes, *Methyl radicals, Synthesis, *Bromides, *Magnesium compounds, Halides, *Alkyl radical, Organic compounds, Chemical reactions, *Methanes.

Interaction of an unsaturated tertiary bromide, namely 2,4-dimethyl-2-pentenyl bromide, a homolog of allyl bromide, with organomagnesium compounds is a convenient method of synthesis of a branched-chain
(Chemistry--Organic, TT, v. 7, no. 3) (over)

61-20121

I. Levina, R. Ya.
II. Egorova, S. A.
III. Title: Interaction...

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100400009-8

The Synthesis of Hydrocarbons. LXXI. The Synthesis of Dineoalkyls $C_{12}H_{26}$--$C_{14}H_{30}$, by R. Ya. Levina, I. Baukh, P. A. Kaikaris, E. G. Treshchova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9, 1959, 2945-2950.

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129,289

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δ-Lactones. XVII. Synthesis of Aryl- and Alkaryl-α-pyrones, by N. P. Shusherina, R. Ya. Levina, I. S. Trubnikov, 3 pp.

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Synthesis of Hydrocarbons, XV. The Synthesis of Allynes-3 (γ-Acetylenic Hydrocarbons, by B. Ya. Levin, E. A. Viktorova, B. B. Berezina. 3 pp.

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Synthesis of Hydrocarbons. XXXVIII. Synthesis of Alkenes and Alkanes with Two Quaternary Carbon Atoms, by R. Ya. Levina, N. P. Shusherina, N. I. Volchinskaya, M. Yu. Lurye, 4 pp. UNCLASSIFIED

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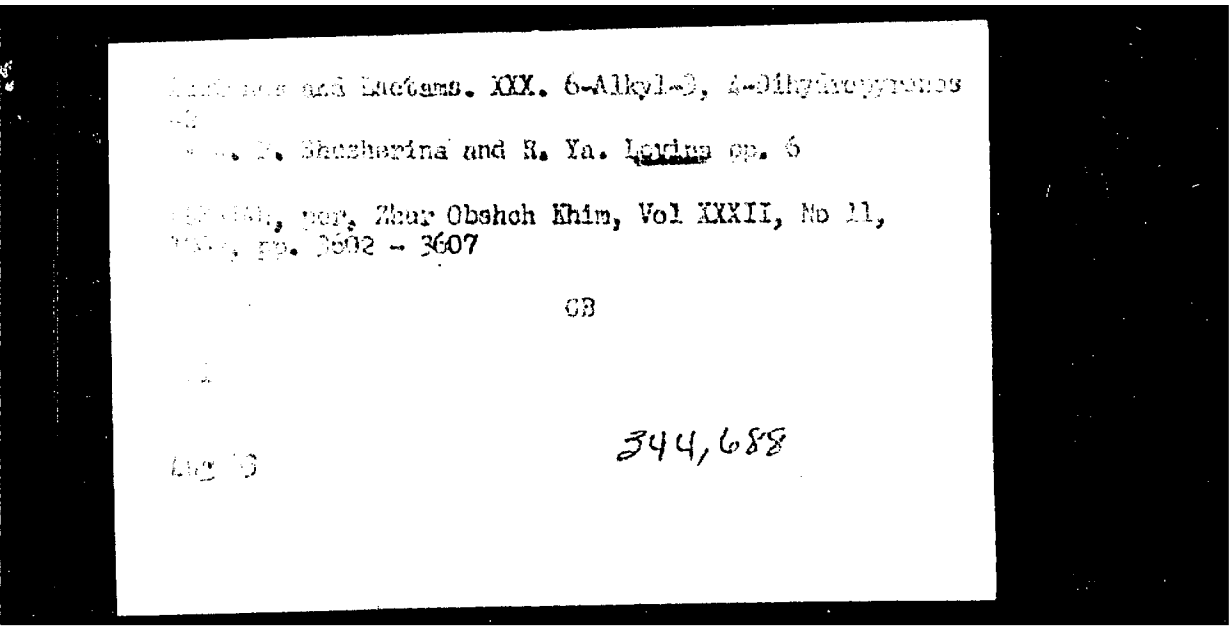

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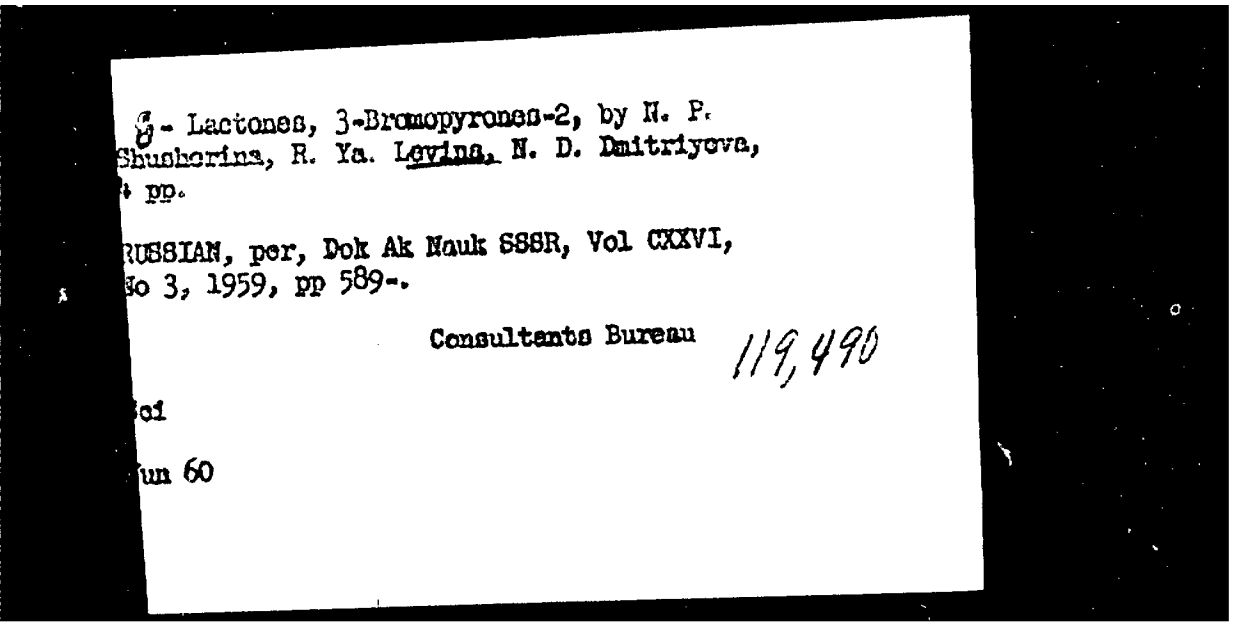

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Levina, R. Ya. and Shcheglova, N. A.
ISOMERIZATION OF UNSATURATED HYDROCARBONS IN CONTACT WITH METAL OXIDES. V. ISOMERIZATION OF 4-PHENYL-1-BUTENE AND 5-PHENYL-1-PENTENE OVER OXIDES OF ALUMINUM AND CHROMIUM. [1961] 5p. 22 refs.
Order from OTS or SLA $1.10 61-16880

Condensed trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 7, p. 527-532.

DESCRIPTORS: *Hydrocarbons, *Molecular isomerism, *Butenes, *Pentenes, Phenyl radicals, Aluminum compounds, Chromium compounds, Oxides, Monocyclic compounds.

An experimental study is reported showing that 4-phenyl-1-butene is isomerized in contact with aluminum oxide or chromium oxide at 250° to 4-phenyl-3-butene; 5-phenyl-1-pentene is isomerized in contact with chro-

(Chemistry--Organic, TT, v. 6, no. 7) (over)

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I. Levina, R. Ya.
II. Shcheglova, N. A.
III. Title: Isomerization of 4-Phenyl...

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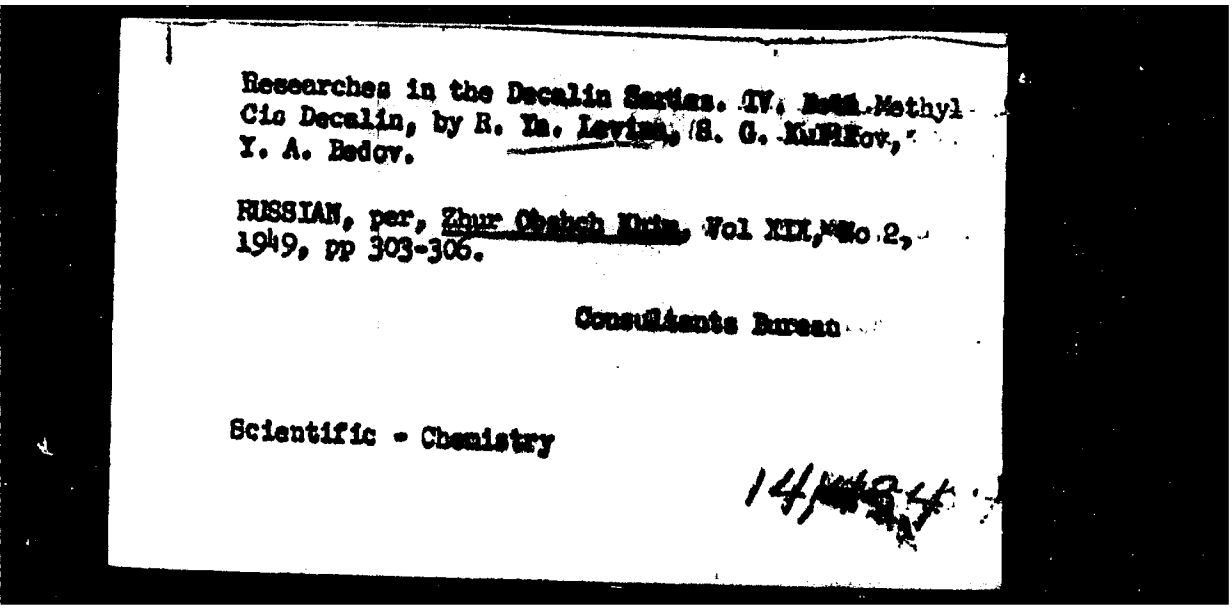

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